## WHAT IS CLAIMED:

- 1. A customizable implant configured for placement between joint surfaces formed by inserting a hollow device having an aperture and a lumen into a target joint, and injecting material into the hollow device to form an implant.
- 2. A customizable implant configured for placement between joint surfaces formed by inserting a retaining device that engages at least a portion of one joint surface in a joint and injecting material into an aperture of the retaining device to form an implant.
- 3. The implant of claims 1 or 2 wherein the implant is removed from the joint after the material is injected.
- 4. The implant of claims 1 or 2 wherein the implant is processed after the material is injected.
- 5. The implant of claim 3 wherein the implant is installed between the joint surfaces.
- 6. The implants of claim 1 or 2 wherein the implant is formed outside the joint.
- 7. The implants of claims 1 or 2 wherein the implant is formed inside the joint.
- 8. The implants of claim 1 or 2 wherein the implant is fixed within the joint.
- 9. The implants of claim 1 or 2 wherein the fit of the implant is tested in situ.

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- 10. The implant of claim 1 wherein a second hollow device having an aperture and a lumen is inserted into the first hollow device.
- 11. The implant of claim 1 wherein a second hollow device having an aperture and a lumen is inserted into the joint adjacent the first hollow device.
- 12. The implant of claims 10 or 11 wherein a third hollow device is inserted into the joint wherein the third hollow device communicates with at least one of the first hollow device and second hollow device.
- 13. The implant of claim 10 wherein the hollow device has a lumen of variable thickness.
- 14. The implant of claim 10 wherein the hollow device has a lumen of variable stiffness.
- 15. The implant of claims 10 or 11 wherein the device conforms to at least one joint surface.
- 16. The implant of claims 10 or 11 wherein the device abuts at least one joint surface.
- 17. The implant of claims 10 or 11 wherein the device surrounds a defect within a joint.
- 18. The implant of claims 10 or 11 wherein the device extends beyond at least one perimeter of the joint.
- 19. The implant of claim 11 wherein the retaining device has an aperture.

- 20. The implant of claim 11 wherein the retaining device engages a joint surface along its perimeter and forms a cavity thereunder.
- 21. The implant of claim 11 wherein the joint surface is at least one of meniscal surface and subchondral bone.

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- 22. The implant of claim 11 wherein the joint surface is prepared prior to injection by at least one of meniscal removal, aperture creation, and abrasion.
- 23. The implant of claims 10 or 11 wherein the injection material is selected from the group consisting of: polymer, metal, gases, and crystal free metals.
- 24. The implant of claims 10 or 11 wherein the joint surface is prepared to provide a cylindrical opening.
- 25. The implant of claims 24 wherein the injecting material is located within the cylindrical opening on the joint surface and forms an anchoring device.
  - 26. A tool comprising:
    - a mold having a surface for engaging a joint surface;
    - a block that communicates with the mold; and
    - at least one guide aperture in the block.

- 27. The tool of claim 26 wherein the mold and the block are integrally formed.
- 28. The tool of claim 26 wherein the mold is formed to conform to the joint surface on at least one surface.

- 29. The tool of claim 26 wherein the mold has at least one aperture positioned below the at least one guide aperture in the block.
- 30. The tool of claim 26 wherein the mold and the block have a plurality of apertures therein.

- 31. The tool of claim 30 wherein a first aperture of a plurality of apertures is configured at an angle to a second aperture of a plurality of apertures.
- 32. The tool of claim 30 wherein the mold has at least one stabilizer on the surface that engages the joint surface.

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- 33. The tool of claim 70 wherein the stabilizer is selected from the group consisting of pin, peg, post, and nub.
- 34. The tool of claim 26 wherein a surface of the mold that communicates with a surface of the block is configured to prevent at least one movement selected from the group consisting of axial, lateral and rotational.

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- 35. The tool of claim 34 wherein the surface of the block that engages the mold is at least one of convex or concave.
- 36. The tool of claim 34 wherein the surface of the mold that engages the block is at least one of convex or concave.

- 37. The tool of claim 34 wherein the surface of at least one of the mold and block has an aperture for receiving at least one of a pin, post and peg located on a surface of the mold.
- 38. The tool of claim 37 wherein the aperture forms a groove providing rotational movement.

- 39. The tool of claim 37 wherein the mold is selected from a library of molds.
  - 40. The tool of claim 36 wherein the mold is patient specific.
- 41. The tool of claim 36 wherein at least one of the mold and block has a reaming aperture.
  - 42. The tool of claim 36 further comprising spacers.
  - 43. The tool of claim 36 wherein block engages the mold in a snap fit.
- 44. The tool of claim 36 configured to be used in at least one of hip, knee, ankle, shoulder, elbow and wrist.
  - 45. The tool of claim 36 configured to be used in a joint in the body.
  - 46. A method of placing an implant into a joint, the method comprising the steps of imaging the joint using a C-arm system, obtaining a cross-sectional image with the C-arm system, and utilizing the image for placing the implant into a joint.
  - 47. The method of claim 46 further comprising the step of obtaining a partial rotation with the C-arm system.
    - 48. A tool formed at least partially in situ comprising:

a mold formed in situ using at least one of an inflatable hollow device or a retaining device to conform to the joint surface on at least one surface having a surface for engaging a joint surface;

a block that communicates with the mold; and at least one guide aperture in the block.

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- 49. The tool of claim 48 wherein the mold has at least one aperture positioned below the at least one guide aperture in the block.
- 50. The tool of claim 48 wherein the mold and the block have a plurality of guide apertures therein.

- 51. The tool of claim 50 wherein a first aperture of a plurality of guide apertures is configured at an angle to a second aperture of a plurality of guide apertures.
- 52. The tool of claim 50 wherein the mold has at least one stabilizer on the surface that engages the joint surface.

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- 53. The tool of claim 40 wherein the stabilizer is selected from the group consisting of pin, peg, post, and nub.
- 54. The tool of claim 48 wherein a surface of the mold that communicates with a surface of the block is configured to prevent at least one movement selected from the group consisting of axial, lateral and rotational.

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- 55. The tool of claim 54 wherein the surface of the block that engages the mold is at least one of convex or concave.
- 56. The tool of claim 54 wherein the surface of the mold that engages the block is at least one of convex or concave.

- 57. The tool of claim 54 wherein the surface of at least one of the mold and block has an aperture for receiving at least one of a pin, post and peg located on a surface of the mold.
- 58. The tool of claim 57 wherein the aperture forms a groove providing rotational movement.

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- 59. The tool of claim 48 wherein the mold patient specific.
- 60. The tool of claim 48 wherein at least one of the mold and block has a reaming aperture.
  - 61. The tool of claim 60 further comprising spacers.

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- 62. The tool of claim 48 wherein block engages the mold in a snap fit.
- 63. The tool of claim 48 configured to be used in at least one of hip, knee, ankle, shoulder, elbow and wrist.
  - 64. The tool of claim 48 configured to be used in a joint in the body.